

NEW YORK TRIP OF CORPORATION XV IS ARRANGED

Business Students Will Spend
First Day at Industries
in Hartford

MANY SHOWS TO BE SEEN

Mid-Term Trip to Begin January
27 and End in New York
January 30

Corporation XV has planned its annual trip to New York to visit industries and factories which are of interest to members. The trip will last three days, commencing on Sunday evening, January 27, and ending on Wednesday afternoon, January 30. Those going on the trip may remain in New York or meet the group at any point if they do not wish to go with the majority.

The first stage of the journey will be to Hartford, Connecticut, where, on Monday morning, the group will visit the Cheney Silk Mills which are located at South Manchester, near Hartford. In the afternoon as a special favor to the Institute the Pratt and Whitney Aircraft Corporation will conduct the men through their establishment. This is a rare opportunity since the plant is closed absolutely to all visitors. All the equipment in this company is less than two years old and it represents the most modern of airplane machinery. These two visits in Hartford were arranged by one of the members of Corporation XV during the Christmas holidays.

Monday evening the group goes to New York where it is expected that five industries will be visited. A trip through the Laboratories of the Bell Telephone Company has been arranged and a visit to the New York Stock Exchange will be made at the busiest hour, under escort so that the members can see just where the dictators of stock prices exert their influence.

Replies are now being awaited from three other companies which are expected to grant Corporation XV the opportunity to visit them. The Paramount-Famous-Lasky Corporation which is the largest moving (Continued on Page 4)

TECH SHOW POSTERS ARE DUE ON FRIDAY

Designer of Winning Poster to
Receive 2 Show Tickets

As announced before vacation, the Tech Show 1929 poster competition which is now under way at Rogers, will end this Friday. At this time Professor William Emerson will choose the winning design, the conceiver of which will receive two tickets to "A Tech Riot." Although the contest is being conducted at Rogers, it is open to all, but offerings must be submitted to Professor Emerson to receive consideration.

On Tuesday and Wednesday of last week, Coach William C. Greene conducted rehearsals of skits, but was seriously handicapped by the absence of many members of the various casts. There will be no chorus rehearsals until after examinations since the men who will take part in this department have already been chosen. Intensive workouts will begin the week after examinations and will continue up until the night of the first performance, February 21. Cast rehearsals will continue throughout the month of January and will be announced in the notice column of THE TECH.

Assistant Bursar Gets Tardy Christmas Gift

On the day after Christmas, the stork visited the home of Assistant Bursar Delbert L. Rhind, and left a baby boy weighing eight pounds and two ounces. Although the present arrived a day late, it was very acceptable. The name of the boy is Robert Cran-
don Rhind.

HEAD OF MEDICAL DEPARTMENT GIVES OUT FLU WARNING

Sends Letters of Instruction to
All Fraternity Houses to
Prevent Epidemic

DISEASE TRAVELING EAST

In an effort to prevent an influenza epidemic at the Institute the Medical Department has been active in prescribing measures for control of the contagion. All fraternities have received a copy of the following letter from Dr. George F. Morse, Medical Director at Technology.

"In view of the impending danger of an influenza epidemic following the return of students from Christmas vacation, I feel that it is essential to take the matter up with the heads of the various fraternity houses, where the danger of contagion may be greater than in the dormitories or the boys' own homes.

"It is essential that any boy who develops a cough report at once to the Medical Department, and no boy who is coughing should be allowed to sleep in close proximity with other students.

"It is essential that the head of each fraternity should keep careful watch of all students, and be advised of the danger of coughing.

"I trust that any such danger of contagion will be reported at once to the Medical Department."

Urge Student Co-operation

All chapters have been urged by Professor Harold E. Lobdell, Assistant Dean, to select a man to consult with the Medical Director or the Assistant Medical Director without delay for advice concerning special precautions to be taken in the fraternity houses. Professor Lobdell points out that there are certain definite legal regulations as to the required cubic feet of air and square feet of window space per occupant in sleeping quarters. The Medical Director and his staff are conversant with the regulations of the Board of Health and also with the health standards prescribed by good judgment, and should be freely consulted.

It is hoped that everyone will realize the seriousness of the situation and by carefully observing the necessary precautions prevent the impending epidemic, which would be a disaster at this particular time. Several western universities have been forced to suspend classes completely, others are considering it, and the trend of the epidemic is toward the east. Technology depends upon the co-operation of its students to prevent such a disaster.

ELECTIONS TO THETA TAU COME THURSDAY

Theta Tau, the national honorary engineering fraternity, will elect its 1929 delegation of fifteen Juniors at its next meeting in the Faculty Reading Room of Walker Memorial on Thursday. The candidates to be chosen from, have previously been invited to attend a smoker given by Theta Tau in order to promote the mutual acquaintance of the members and prospective candidates. Election to the fraternity is based on the man's engineering ability, and, in addition his personality and attitude towards his fellow students and Technology.

COURSE XV COUNCIL CALLED BY STRATTON

President Samuel W. Stratton has called a meeting of the advisory committee on Course XV to discuss the course in Engineering Administration. The discussion will be held at an informal luncheon in Boston on Wednesday, January 9. The faculty of Course XV, members of the corporation of the Institute, and others who are concerned will be present. Following this meeting there will be another luncheon on February 13 for further discussion of the question.

All-Tech Carnival Vote To be Taken January 16

On Wednesday, January 16, a general vote on whether or not an All-Tech Carnival will be held this spring is to be taken. The voting will take place in the Main Lobby and all students at the Institute are entitled to vote on this question.

A two-thirds vote of those casting ballots is necessary for passage of the bill. If this is attained, an All-Tech Carnival will be held this Spring. Since this is a matter which concerns all the students at the Institute, everyone is asked to vote upon it.

150 Students Petition For All-Technology Carnival To Take Place As Spring Event

General Vote On Whether Or Not Affair Is To Be
Held Will Be Taken In Main Lobby
On January 16

"We, the undersigned members of the Massachusetts Institute of Technology, do hereby petition to the Institute Committee that an All-Tech Carnival be held this spring," was the petition received by C. Brigham Allen, '29, Chairman of the Institute Committee last Friday afternoon.

Allen received two separate petitions, one of which was signed by 50 students, and the other containing 100 names. As a result of these petitions being presented to the student governing body a general vote on the question involved will be held a week from Wednesday in the Main Lobby.

At that time all students at the Institute will be able to vote on the question of whether or not an All-Tech Carnival should be held this Spring. In order to pass the measure, a two-thirds vote of all those voting will be necessary. Passage of the referendum will insure the holding of an All-Tech Carnival this Spring.

Will Not Repeat Former Circuses

It was decided at the meeting of the Institute Committee last Thursday afternoon that there would be no Circus this year. The All-Tech Carnival proposition was discussed at great length and ultimately was defeated. In order to bring the question before the student body to decide at a general election, it was necessary that a petition bearing 50 names be submitted to the Institute Committee. The fact that two such petitions signed by 150 students, a very representative group from all courses, were received shows that a number of the students are very much in favor of the proposition.

Two years ago the Annual Circus was held and created so much disturbance that last year it was abandoned. However, this year the question was revived and a Circus Investigation Committee was selected (Continued on Page 4)

MUSICAL CLUBS TO GIVE TWO CONCERTS

Will Entertain at Edison Light
Plant This Evening

Two concerts, one tonight and one Friday night, make up the program of the Musical Clubs for this week. Tonight's concert is to be given before the employees of the Edison Light Company, at the Auditorium Building of the Edison Club at Roxbury. Friday's concert is for the Lexington Teacher's Club and will be held at Lexington. The program will appear in a later issue.

Tonight's program is as follows:

- (a) March—Thunder and Blazes Fusik
(b) Four Indian Love Lyrics Woodford-Finden
Instrumental Club
- (a) Rise, Sleep No More Stewart
(b) Suabian Folk Song Brahms
Glee Club
- Popular Medleys Banjo Club
- Specialty Act Saxophone Solo Robert Semple '32
- (a) Selections from Martha Flotow
(b) Haunting Humoreske Dvorak
Instrumental Club
- (a) Jerusalem Parry
Baritone Solo by James Yates, G.
(b) John Peel Andrews
Glee Clubs
- Popular Medleys Banjo Club
- Specialty Act
- Popular Selections Techonians
- (a) Take Me Back to Tech Littlefield '95
(b) Stein Song Ballard '87
Glee Club

FOREWARNED IS FOREARMED

Those students at Technology who spent the last vacation in the East may find it hard to realize the gravity of the danger from the influenza epidemic. But those who went west for Christmas can give much evidence to vouch for its seriousness. They arrived in their home towns to find that many of their classmates in other scholastic institutions had been sent home early because of so many cases of the malady at school. They found that hundreds or thousands of townspeople were ill and that the death list was increasing daily. They were exposed to the disease in its most active form, and have returned from these sickness centers on crowded trains, to encounter weather most favorable for the development of the bacteria, and to live in close proximity with their fellows. What could be more conducive to a rapid spread of the flu into this region?

Realizing how serious the situation would grow if such an epidemic were to start here, Doctor George Morse, head of the Medical Department, has issued the following precautions:

1. Sleep in well ventilated rooms.
2. Eat plenty of nourishing food, and be sure to wash your hands before eating.
3. Dress warmly, keep feet dry, get plenty of rest and fresh air.
4. Seek immediate medical treatment for slight colds and sore throats.
5. Avoid congested audiences such as motion picture houses and public conveyances.
6. Avoid using Pullman Sleepers if possible.
7. Cover telephone mouth-pieces with tissue paper, date with rubber stamp and change daily.
8. Avoid having a careless person cough in your face.
9. Avoid visiting patients with colds in hospitals or homes.
10. If you have the grippe, fever, prostration and general malaise—go to bed and stay there and get a doctor to treat you.

So far the sickness is well under control—there are no recognizable cases of flu in the Infirmary although there are numerous serious cases of colds. But with the return of so many students from the sickness centers of the west, the danger is imminent. Remember that absolute compliance with simple health rules is very necessary, and that wholehearted cooperation with the Medical Department is completely essential.

DAVIS AND COLEMAN DIRECT COLLOQUIUM

Their Solutions to be Presented
by Mr. M. N. Halsey

"Inductive Coordination" will be the topic of discussion of the Colloquium being conducted by the Department of Electrical Engineering in Room 10-275 this afternoon and tomorrow at 3 o'clock. Mr. J. R. Coleman of the National Electric Light Association and Mr. R. F. Davis of the American Telegraph Association will be in charge.

Students who wish to have conferences with either of the leaders personally will find them available in Professor Barker's office, Room 4-203 on Tuesday from 9:30 till 12 o'clock. Those who wish to take advantage of the opportunities offered in the form of the colloquia for a discussion of the subject with men who have dealt with it in practice should plan to attend the meetings on both of the afternoons for which they are scheduled. These groups are open to members of the instructing staff, Graduates, Seniors and members of the Junior Honors Group.

HINDUSTAN SOCIETY PRESENTS OLD PLAY

Drama of Sixth Century Given—
Dr. Stratton is Patron

"The Little Clay Cart," an ancient tragic comedy, written in India 1400 years ago, was presented before a large gathering at Jordan Hall last Saturday evening. The play was presented by the Hindustan Association of Massachusetts in cooperation with Yogoda Sat Sangha Society of America, Inc., and was sponsored by the Hindustan Club of M. I. T.

The play was translated from the Sanskrit by Dr. Arthur William Ryder of Harvard, and is considered among the best of the early Hindu dramas. Its quaint Oriental beauty is typical of the productions of this period.

Hindu Dances by Gloria Braggiotti and a series of true-color travelogues by Professor William Sandoz were also included in the program.

Among the patrons for the presentation were: President Samuel W. Stratton of the Institute, and Mr. A. Farwell Bemis, a member of the Corporation.

A Record of
Continuous
News Service
for 47 years.



Official News
Organ of the
Undergraduates
of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD

L. C. Hamlin '29.....General Manager
H. Rouse '29.....Editor
D. T. Houston '30.....Managing Editor
A. C. Pforzheimer '29.....Business Manager

ASSOCIATE BOARD

L. Verveer, Jr. '30.....News Editor
W. F. Howard '30.....Features Editor
F. C. Crotty '30.....Sports Editor
G. Smith '30.....Advertising Manager
G. K. Lister '30.....Treasurer
D. W. Diefendorf '30.....Circulation Mgr.

EDITORIAL DEPARTMENT

Editorial Board

M. Brimberg '29 W. B. Schneider '31

NEWS AND SPORTS DEPARTMENTS

Assistant to Managing Editor

C. Connable '30

Night Editors

E. W. Harmon '30 F. C. Fahnstock '30
R. Davis '31 S. C. Westerfeld '31

News Writers

J. W. Bahr '31 M. F. Burr '31
J. R. Swanton '31

Staff Photographer

T. Lewenberg '31

Reporters

I. Finberg '31 E. F. McLaughlin '32
H. Kamy '31 P. A. Roberts '32
P. A. Davis '32 W. N. Currier '31
D. L. Dionne '32 S. G. Nordlinger '32
A. H. Feibel '32 R. Thomas '32
S. H. Fleming '32 E. P. Newman '32
M. S. Hathaway '32 E. W. Schafer '32
E. B. Hubbard '31 R. A. Fuller '32

In charge of this issue:

J. W. Bahr '31

REFERENDUM

RATHER interesting indeed is this Circus situation as it now exists at the Institute. So far the undergraduate body has participated in the sum total of five such affairs, the last of such brawlish tendencies that the idea of similar ventures in the future was strongly vetoed by the Institute Committee in 1927, which apparently the same adverse sentiment existing throughout the student body.

Nearly two years passed since that last ignominious failure. Then approximately a month ago the idea was revived by certain optimistic members of this year's Institute Committee who felt that the Circus could play a great part in the social, extra-curricular life of the undergraduates at large, and could be a real success with proper management. An investigating committee was appointed. A test vote was taken in the dormitories and the Interfraternity Conference. In spite of the attitude of the Dorm Committee, the vote there was almost unanimously in favor of continuing the event; fraternity approval as well was shown by a majority vote in the Conference—a vote, however, that displayed considerable apprehension lest the affair revert to the despicable condition of that two years back.

Last Thursday the sub-committee submitted its report, decidedly mistrustful of the whole idea. After heated discussion in the Institute Committee, in which strong arguments both pro and con arose, the entire plan was rejected by a 10-9 vote. Within two days petitions had been presented to the Chairman of the Committee, signed by one hundred students requesting that the governing body reconsider its action. The matter must now be referred to the entire undergraduate body for popular vote, the result of that vote to be the deciding factor.

With the two best votes as a basis for judgment, the coming referendum will most likely reverse the Committee's decision—a decision that was reached only after weeks of careful thought, discussion, and investigation. That the sub-committee's report was not partial to the cause is a pertinent fact that merits much consideration. And that the hundred petitioners speak not of a Circus, but of an All-Technology Carnival, also deserves attention.

Plainly, no one wishes to repeat the affair that brought about the temporary downfall of this activity. We do not doubt that a great majority would support the issue were success insured—that it is primarily a wariness of failure and not a dislike for the real motive that is causing the controversy. We are firmly convinced that a Carnival can be of enormous advantage to the Institute as a whole—but only with thorough planning, capable control, and undergraduates who are behind it in effort as well as in spirit. Herein lies the basic point of the issue: can we feel assured of this planning, this control, and above all this effort and spirit?

AVAST, YE BUNKSTERS

DO you know a Bunkster? When you talk to your fellow students, to your instructors, or otherwise express your thoughts, how much of what you say do you really believe and mean?

Today there seems to be a trend in every form of society to put into words ideas which the speakers do not and cannot stand behind. What is this cause of this trend toward vocal and written insincerity? Is it partially caused by the advertisement era in which we live?

Certainly it is true that a large number of these Bunksters do not intend to mislead others, but are simply endeavoring to keep up "their end". Perhaps also it is a distorted idea of preserving what the Chinese know as "face".

Regardless of the cause or alibi the "bunkster" should exert every effort to overcome the habit. He is doing more harm to himself than to anyone else. When he has practised his art on others and has become proficient in its use, he turns it on himself and tries to make himself harbor ideas that he cannot honestly believe.

"Bunk-sliding is a habit which can easily be checked in its first growth. The antidote is simple and accessible to all. Let the Bunkster remember that if he has nothing to say, to keep it to himself; and to have something to say only when he is 100% behind it.

As We See the Movies

METROPOLITAN

Emil Jannings again—and what a man! A different character from any he has played, but hardly better, for we can see little room for improvement. His "Sins of the Fathers," now the feature at the Met, is fully as good as any we can remember, lacking somewhat the splendor of his last, but more than coming up to his standards of supreme characterization.

As Wilhelm Spengler, American in spirit, but totally German in mood and manner, Jannings first appears as a waiter de luxe, raising himself successively in American society through the stages of saloon-keeper and bootlegger, and ending in the capacity of waiter once again in a prison mess hall and then a public garden. The rest of the plot matters little, though it depicts in no uncertain manner the tragic pitfalls of illicit liquor manufacture and a woman's foils. It is Jannings primarily on whom our attention is centered, in his masterly rendition of this pitiable German-American father; the character is realism itself, from the evolving moustache to the superb paunch, perfect in his fatherly love and devotion, his human weakness, his glory in admiration and humiliation in defeat. Yes, Jannings is truly unsurpassable.

On the stage is an interesting revue, "Beauty Shop Blues," which features along with the inevitable and invaluable Gene himself several excellent dance features, well above the average presentation. All in all, this is one of the best combinations of film and stage that the Met has offered in months.



The Lounger wishes to extend his heartiest congratulations to the Technology Christian Association for the masterful psychology used in reminding students of a certain little debt, due on February 1. More than one Technology man has reached for his wallet quickly and sung "Aloha Oe" with great emotion, upon receipt of his registration material. For with his own handwriting staring him in the face, followed by his own John Henry, that ten dollar bill he has been cherishing so hopefully will vanish like soap in a shower. There's no getting out of it evidently. It's either ten dollars or no Technology. The Lounger thinks he'll open a pawn shop.

After an exhaustive search of all available and unavailable material, the Lounger is prepared to write a treatise on, "The College Fraternity, or Why There Isn't Any Whoopie Made after Christmas Vacation." The work is not completed yet, but as a prerelease. The Lounger has kindly consented to permit THE TECH to publish the outline of his document. It follows:

1. The dearth of social activities around fraternities at the first of each year, including leap year, is due to:

(a) The revelation to some of the less frivolous brains that the time of examination draws nigh, and that semester note-books cannot be done in a night. Feverish perusal of the files of old problems seems most popular, but of little avail.

(b) The fact that the houses are

Play Directory

Stage

COPLEY: "The Whispering Gallery". Murders and humor well mixed.
HOLLIS: "Marco Millions". O'Neill's brilliant satire on our modern go-getter.
COLONIAL: "Billie". George M. Cohan presents a snappy musical comedy.
PLYMOUTH: "And So To Bed". One of history's most famous diaries comes pleasantly to life.
SHUBERT: "Rain or Shine". Joe Cook has had laryngitis, but he will be on the job again to-night.
REPERTORY: "Mary Rose". A whimsical piece of Sir James Barrie, capably handled by the cast.
ST. JAMES: "The Big Pond". A small town Ohio girl must choose between two amusingly contrasted men. Well done.

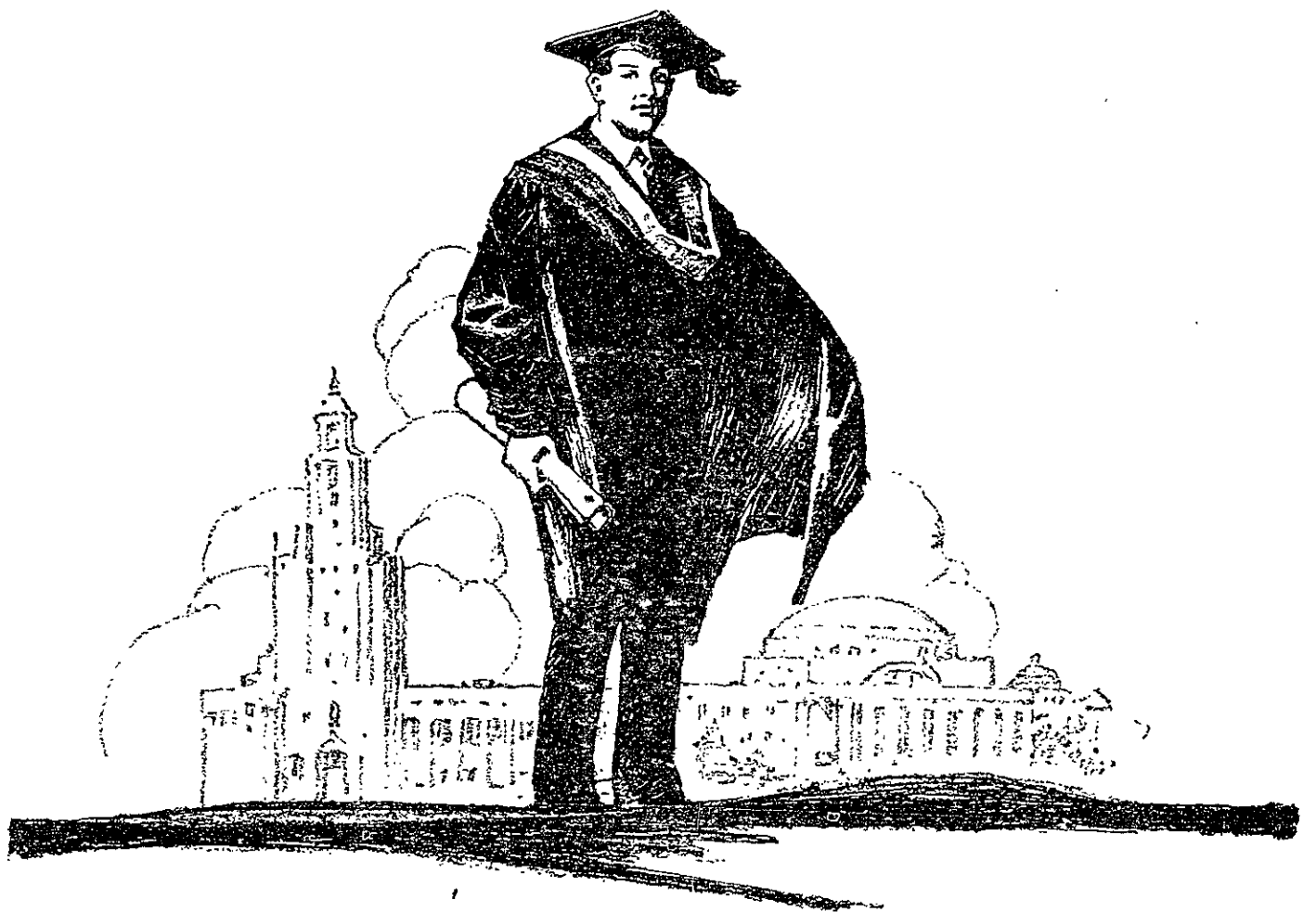
Screen

LOEW'S STATE: "West of Zanzibar". Note: Lon Chaney is the one who is crippled.
METROPOLITAN: "Sins of the Fathers". Reviewed in this issue.
OLYMPIA and FENWAY: "My Man". Fannie Brice with a good supporting cast, including Fannie Brice.
MODERN and BEACON: "Synthetic Sin" and "Side Show". Colleen Moore and Marie Prevost in light productions.
KEITH MEMORIAL: "Man-Made Women". We're glad Leatrice Joy is back again.

in no fit condition for show purposes, what with New Year's Eve being so near, etc., etc.

(c) The astounding lack of members since the vacation, decreasing more rapidly now as brains clear and home addresses are remembered, but deplorable, nevertheless.

Any other information as to existing conditions will be greatly appreciated by the author.



COMMENCEMENT day is coming—sooner than you ever thought possible. Soon you will have received your college award—your degree. It will have been worth working for, not just for possession of the sheepskin, but because it stands for four years of accomplishment.

When you leave college, you will hear of the Charles A. Coffin Award, the highest gift in the utilities industry for excellence of operation. During the six years of the Coffin Foundation, three of the Gold Medals symbolizing first place have been won by companies under Stone & Webster executive management.

No matter what profession or business you choose, you'll meet Stone & Webster men—financing utilities, operating gas, electric, and transportation companies, building power and industrial plants. They're wide awake, alert, progressive. You'll find the Stone & Webster organization is worth knowing and worth doing business with.

STONE & WEBSTER

INCORPORATED



FROSH GRAPPLERS DEFEAT CRIMSON

Hockey Team Easily Trounces New Hampshire Wildcats By 5-1 Score

Cardinal and Gray Defeats Harvard in First Meet of Season--Meet Tufts Jan. 9

By a score of 21-15, the Cardinal and Gray yearlings dealt defeat to the Crimson yearlings last Saturday at the Hangar gym, and avenged the defeat of last year. The frosh won five matches out of eight, two of which were decisions. The quickest fall was made by Rabinowitz, unlimited, who downed a Harvard man who was about forty pounds lighter. Rudnick got a draw in the 175 pound class, but lost his match in the over-time.

Axford Wins First Match
Axford, 115 pound, met Cook, of Harvard, in the first match on the program, and downed him in the fast time of 3 minutes and 34 seconds. Axford was very fast and made the first throw, but was unsuccessful, and lost the advantage, which he soon regained and kept for the rest of the match. He showed great possibilities in the first meet, and will undoubtedly score many victories before the wrestling season is over.

In the second match, Lazar, 128 pounds, was downed by Klein of Harvard, in the time of 5 minutes, 47 seconds. This contest was particularly fast and vicious, and the advantage was very slight. The fall came rather unexpectedly, both men having about the same time advantage. Lazar is a very good wrestler, and met one of Harvard's best men, and although he lost, should do well in his remaining matches.

Harvard Wins In 135 Pound Class
Knoepple, 135 pounds, also lost his first match to Campbell of Harvard in the fast time of 1 minute, 34 seconds. This bout was almost as fast as the time later made by Rabinowitz, and came to an end very soon after the boys hit the floor. The match was exciting, and the men, both fresh, fought particularly hard to an unexpected end, Campbell throwing his opponent with a crotch hold, pinned him to the mat with a body scissors. Knoepple's ability is very doubtful, since his bout was short, and not much wrestling was done on the mat.

Vassolotti gained the decision over Dorman in the 145 pound class, and brought the Engineer's score within two points of Harvard's. In this match the strength of Vassolotti, who, after wearing his opponent down, handled him almost at will, was outstanding. He was kept from scoring a fall only by insufficient knowledge of holds, and should develop into one of the team's stars with practice.

M. I. T. Takes Lead
Ward met Turley of Harvard in the fifth match of the evening, and by winning his match gave the Cardinal and Gray a lead which they never lost. The bout was fast and exciting, both men throwing their opponents, but Turley was unable to hold Ward, who by sheer strength broke his opponent's holds after being thrown, and Ward downed the Crimson yearling after 7 minutes and 33 seconds of hard fighting. Ward showed some wrestling talent, and plenty of fight in this match, and should win his coming match at Tufts with ease.

Rudnick, who has had very little experience in wrestling held Meserve, Crimson yearling, to a draw, but lost in the last few minutes of the over-time. The men were standing practically all the time, and were forced to the mat after the two minute period, but rolled off, and the rest of the match took place on foot. Rudnick, who went in without shoes, was constantly pushed off the mat, and the ten minute period ended with neither of the men going to the floor. In the over-time, starting on the mat the spectators saw a little wrestling, but this did not last long, and the men were soon on their feet for the rest of the four minute over-time. The second was a little more exciting, and the men began to try for holds. After about three minutes Meserve of Harvard scored a fall that ended

the match. Although Rudnick did very little wrestling, his strength and stamina caused much favorable comment, and he will undoubtedly be an outstanding wrestler by the end of the season, after he has acquired experience.

Rabinowitz Wins Final Match
In the final wind-up, the M. I. T. 240 pounder, Rabinowitz, squelched Dane of Harvard, who was easily 40 pounds lighter than his opponent. Dane came out of his corner like a shot, but he hit a 240-pound stonewall which later fell on him, and after a little grappling on the mat was over in a record time of 1 minute 18 seconds. Dane having a 240 pound problem on his chest. The match was obviously impossible, and brought forth much laughter from the audience. By winning the match Rabinowitz brought the one point lead to the final six point lead the Technology men gained over their Crimson rivals.

The meet was held on the new rubber covered mat, purchased recently for the wrestling team, and the number of mat burns was greatly reduced. The mat was particularly large, and none except Rudnick and Meserve were required to break and start again, this being an advantage over the smaller type on which the men were constantly rolling off.

SUMMARY:
115 Pound—Axford, M. I. T. vs. Cook, Harvard. Won by Axford. Time 3 min. 34 sec.
128 Pound—Lazar, M. I. T. vs. Klein, Harvard. Won by Klein. Time 5 min. 47 sec.
135 Pound—Knoepple, M. I. T. vs. Campbell, Harvard. Won by Campbell. Time 1 min. 34 sec.
145 Pound—Vassolotti, M. I. T. vs. Dorman, Harvard. Won by Vassolotti. Decision.
155 Pound—Negus, M. I. T. vs. Guyer, Harvard. Won by Negus. Decision.
165 Pound—Ward, M. I. T. vs. Turley, Harvard. Won by Ward. Decision.
175 Pound—Rudnick, M. I. T. vs. Meserve, Harvard. Won by Meserve. Time 15 min.
Unlimited—Rabinowitz, M. I. T. vs. Dane, Harvard. Won by Rabinowitz. Time 1 min. 18 sec.

Once again Walker Gym is showing signs of activity. Now that the Christmas holidays are over the teams are getting down to hard work in preparation for the winter sports program. Exams will probably stop the work a little, but after the second semester begins the teams will be hard at work again.

The gymnasts have an exhibition scheduled for this Friday and they are trying to get some of their series perfected. Captain Fairchild has several new turns on the horse while Dave Wells is trying numerous giant swings on the high bar. Wes Reynolds has a number of tricks on the parallels and rings. Dave will also be seen in action, on these pieces of apparatus. Norman Dolloff will bear the brunt of the work in the tumbling and he has a very good series ready for the occasion.

This will be the only meet that the Gymnasts will have before exams and it will give the coach a chance to size up his material for the regular meets. This year the Engineers have one of the strongest Gym teams in the East and they stand a good chance of walking off with the Eastern Intercollegiate League championship this year.

The fencers are also struggling along in their corner of the gym and by the looks of the dope they ought to have a good team this year. They have several new men who promise to do some good work in this season's contests.

One of the Stars of
Beaver Hockey Team



Ralph Crosby '29

BASKETBALL TEAMS READY FOR BROWN GAMES WEDNESDAY

**Bruins Have Lost to Boston
University and Williams
This Season**

BOTH TEAMS SCRIMMAGE

**Yearlings Hope to Gain First
Victory of Season in
Providence Game**

Hoping for their fifth straight victory, the Cardinal and Gray basketball team is rapidly getting into shape for the game with Brown at Providence next Wednesday evening. This will be the first game that the Engineers have not played in the Hangar Gym, and will be a test of what they are capable of doing on a foreign floor.

Chances for a victory appear very good as Brown has lost most of the games that they have played so far this season. Brown lost to Boston University by a 33 to 31 score and to Williams by a score of 38-20. The Engineers defeated B. U. 34 to 23 thus showing that the Cardinal and Gray is considerably stronger team than the Providence team.

Team Scrimmages Friday
Scrimmage was again held on Friday night and the team is rapidly getting back into tip top shape. Captain Brockleman, George Lawson, Motter, Bob Nelson, and Brig Allen, have been doing good work and these are the five men who are most likely to start on Wednesday night. Bates, McDowell, Coffey, Dickenson, and Harrison are also working hard and should see some action in the Brown game.

Snyder, a right guard, is Brown's leading scorer and he is Brown's star player. He is a very good running guard and is proficient at basket shooting. Heller, another right guard, and Smith, a left forward, are also dangerous men and will bear watching in the game on Wednesday. Snyder was high point man in the Boston University game and did most of the Brown scoring in the Williams contest.

Freshmen Work Hard
Meanwhile the yearlings are working hard in Walker Gym and hope to come through with their first victory on Wednesday. They will have a harder job ahead of them than the Varsity as Brown's freshmen team is rather strong having defeated Bridge-water normal by a score of 52 to 24. Sawyer, the Brown center, is the Brown center, is the freshmen's high point man and he is very good at getting the tap. Other dangerous men on the Brown team are Harris, a right forward, and Lewis, a left forward, all of whom are good at shooting baskets.

Captain Paul, Rash, Ross, Weller and Rickard are doing good work and are trying to work up a strong offensive with a good passing system. The dribbling has improved considerably since the Wentworth game and the team looks much better than it did before vacation.

Engineer Sextet Defeats New Hampshire Wildcats 5-1 in Game at Durham

In a fast game on hard outdoor ice, the Cardinal and Gray hockey team sent the New Hampshire Wildcats down to a 5 to 1 defeat Saturday, with team work that baffled the New Hampshire sextet. Very little individual play took place, and as a result of fine co-ordination the Engineers were able to carry the game at almost every instant. Hall, who went in at right wing for Cullen, did exceptionally well, and twice got away to score for the Cardinal and Gray, once on a pass from Peene, and once on an individual play. The goals for Technology were made by Hall, and Lucy in the first period, and Hall, Crosby, and White in the second; for New Hampshire, by Cluett, in the third period.

Frosh Swimmers Lose First Meet To Malden High

**Levinson Breaks Tank Record in
Backstroke—Rinehimer
Wins Two Firsts**

Getting off with a bad start, the freshman Swimming team lost its first meet to Malden High at the Malden Y. M. C. A., Saturday afternoon. However the frosh did not lose by any astounding score, the final tabulations showing 32 points for the high schoolers to 30 for Technology. The yearlings won the relay and turned in three first places for the six remaining events. Unfortunately the Malden natators managed to gain three firsts, five seconds, and two thirds to nose out their competitors by just two points.

Levinson Breaks Tank Record
The meet was full of thrills throughout, one of the features of the afternoon occurring in the 100-yard backstroke, when Gordon Levinson of the Engineers made a new tank record of 1 minute 16 4/5 seconds. The 100-yard free style was particularly exciting when Rinehimer of Technology forged ahead of Captain O'Farrell of Malden in the last few yards to win by a hand. Again in the 40-yard swim, Rinehimer won over O'Farrell by a scant margin of two feet. Another close finish was recorded when Thackeray of Malden beat Holst of the Institute by three feet for the breast stroke. The other events were never very close.

Rinehimer Elected Captain
At their last practice Friday evening, the freshmen showed their admiration for their outstanding teammate by electing Arthur Rinehimer to lead them as Captain. He had very little competition and won the election almost unanimously. Below is a summary of the meet.

One hundred-sixty-yard relay—Won by Technology (Abbott, Starre, Thomas and Rinehimer); second, Malden (Cefrey, Baker, Crane and Kevorkian), Time—1m. 31 3-5s.
Forty-yard free style—Won by Rinehimer (T); second, Crane (M); third, O'Farrell (M). Time—22 1-5s.
One hundred-yard backstroke—Won by Levinson (T); second, Steeves (M); third, MacNeil (M). Time—1m. 16 4-5s. (tank record).
Two hundred-yard free style—Won by Cefrey (M); second, Claybourne (M); third, Teague (T). Time—2m. 50 4-5s.
One hundred-yard breast-stroke—Won by Thackeray (M); second, Holst (T); third, Huessener (T). Time—1m. 21 1-5s.
One hundred-yard free style—Won by Rinehimer (T); second, O'Farrell (M); third, Abbott (T). Time 1m. 8 1-5s.
Dive—Won by Pearse (M); second, Catto (M); third, Henderson (T).

The freshman basketball squad also practices in Walker when the gymnasts and fencers do not monopolize the floor. The yearlings have their hands full running between Walker and the Hangar, but they seem able to manage it without any difficulty.

That Basketball scores do not mean anything and are a poor basis on which to compare the strength of various teams is a certainty. The Cardinal and Gray just nosed out Manhattan College by a 31-28 score and then Newport Naval Training Station trimmed the New Yorkers 32-22. Yet the Engineers defeated the Newport tars 44 to 10.

The game had hardly started when Technology took the offensive, and by machine-like team work were able to approach the New Hampshire goal with ease. Hall, who went in for Cullen, took a pass from Peene, and scored the first Technology goal. Shortly after, Lucy, who has been an outstanding player in former games, got away, and put an individual past the Wildcat goalie to make the score 2-0. The period ended without further scoring.

In the second twenty minute period, Hall again was first to score. Taking the puck from center he tore viciously down the right wing, and shot it into the New Hampshire net, for an individual, which now gave the M.I.T. team a substantial lead. Coming back to center ice, the Cardinal and Gray again took the offensive, Cullen taking the puck far into New Hampshire territory, and on a pass to Crosby the puck found itself again peacefully resting in the New Hampshire net.

N. H. Tallies Lone Goal
In the last period the Wildcat sextet staged a desperate rally, but it fell short, and the lead the Engineers had piled up was never seriously threatened. Bluet, center on the New Hampshire sextet, who played an excellent game at center, was able to get away from the ever-present Boston men to score the only goal for the plucky sextet. He carried the puck down center, and on a fast side-shot got their only goal past the efficient Riley, who had stopped every thing up till this point in the game. He played an excellent game, and came very near making it a complete shut-out.

The morning game was not held, as the Technology team left Boston late, and arrived too late for a doubleheader. The afternoon game was played on hard fast ice. The surface was smooth and uncracked, offering the best possible conditions for the annual clash.

During the game, Technology was penalized twice, and New Hampshire three times. The penalties for the Beavers were against Cullen, and White, for New Hampshire, Croke two, and MacFarlane, one.

The lineups were as follows:
White (Capt.), l. w. Rinchard (Capt.)
Crosby, center center Bluet
Cullinan, r. w. r. w. Croke
Hazeltine, r. d. r. d. MacFarlane
Lucy, l. d. l. d. Michaut
Riley, goal goal Hunt
Substitutes for M.I.T.: Hall and Peene. Penalties: M.I.T. 2, N. H. 3. Period: 20 minutes. Score: M.I.T. 5, N. H. 1.

According to the latest dope from the dorms a number of the men are going down to Providence to watch the Engineers hand Brown a good drubbing. The also intend to completely fill the Hangar Gym for the Harvard game next Saturday. Even though their famous cheer has been banned they will be there in full force and will find plenty of other means to make a noise. According to the basketball managers, extra stands will be put up for the game.

Sports Desk

**SQUASH
and
LAWN TENNIS
RACKETS RESTRUNG**

HARTLEY'S SQUASH SHOP

New Rackets Custom Work
Full Line of Bancroft Rackets
FINEST WORKMANSHIP

147 Summer St.
2nd Floor LIBerty 5089

CROSTON & CARR CO.
Clothiers, 72 Summer St.

TO RENT

New
Collegiate
TUXEDOS

WITH
SILK VEST

\$1.50

Complete Outfitters

OFFICIAL BULLETIN

BIOLOGY AND PUBLIC HEALTH

The class in Vital Statistics will visit the Vital Statistics Division of the Boston Health Department on Tuesday, January 8, at 9:30 A.M. in order to observe the methods of handling reports on births, deaths, and communicable diseases in a large municipality. All interested are invited to assemble in Room 10-419 at 9:00 A.M. on Tuesday.

ECONOMICS

The following speaker will lecture before the class in Business Management in Room 1-190:

Mr. Carle M. Bigelow
President of Bigelow, Kent, Willard & Co.
Management Engineers
Friday, January 11, 2 P.M.
Subject: Management Engineering

CALENDAR

- Monday, January 7**
3:00—Electrical Engineering Colloquium, Room 10-275.
- Tuesday, January 8**
3:00—Electrical Engineering Colloquium, Room 10-275.
6:00—Boston A. I. E. E. Lecture and Dinner, Main Hall and North Hall.
6:00—Curriculum Committee Dinner Meeting, Faculty Dining Room.
- Wednesday, January 9**
1:00—Advisory Council for Coarse XV Luncheon Meeting.
6:00—Corporation XV Dinner Meeting, Grill.
6:00—Civil Engineering Society Dinner Meeting, North Hall.
7:00—Chemical Society Smoker, Faculty Dining Room.
7:00—Varsity and Freshmen Wrestling vs. Tufts, Hangar Gym.
- Thursday, January 10**
6:00—Mass. Safety Council Dinner Meeting, North Hall.
6:00—'50 Club Dinner, Grill.
- Friday, January 11**
6:00—M. I. T. Italian Club Dinner Meeting, North Hall.
- Saturday, January 12**
7:00—Varsity and Freshman Basketball, Hangar Gym.

Notices and Announcements

REGISTRATION MATERIAL

Students who have not obtained their registration material should get it immediately from the Information Office.

Registration material must be returned to Room 3-106 not later than 1 o'clock, Friday, January 11 to avoid the fine of \$5.00.

TECH SHOW

There will be rehearsals of "The Old Oil," "The Last of the Conways," and "Bon Voyage" Tuesday night, and of "The Cook's Tour," and "Cafe-

teria" Wednesday night in the West Lounge of Walker.

CREW

All freshmen substituting crew for P. T. 1. must check their attendance records with Mr. McCarthy and make up all cuts before January 19.

To substitute crew for P. T. 2 a clear record in P. T. 1. is required. Men wishing to substitute crew for P. T. 2 may do so by signing for it in Mr. McCarthy's office any morning before 12 o'clock from January 4 to January 17.

BROWN STUDENTS TO PAY VISIT TO T.C.A.

Two students from Brown will attend the Cabinet Meeting of the T. C. A., which will be held in the Grill Room of Walker Memorial tomorrow at 5:30 o'clock. The men will represent the Freshman and Senior Cabinets at Brown, who are visiting some of the colleges in Boston and vicinity in order to study their work.

Bursar Horace S. Ford and Mr. Percy R. Ziegler, chairman of the Advisory Board have been invited to attend the meeting. All members of the T. C. A. Cabinet should be present.

Pianist All

"Encore" for This Smoke

San Francisco, California,
August 8, 1928

Larus & Bro. Co.,
Richmond, Va.

Dear Friends:

I have been a very heavy pipe smoker for the last thirty years, and have always used Edgeworth Tobacco (Plug Slice) and find there is no other tobacco like it for a cool and well flavored taste.

I am in the vaudeville business, and have traveled all over the world with my brother, and always have had very great pleasure in recommending your tobacco; and many a time I have had to pay double the price in different countries for it, but I would sooner do that than smoke anything else, as I have tried all different brands. I generally buy a one-pound tin and roll it up; and believe me, gentlemen, it is real tobacco.

With best wishes from
Yours sincerely,
Sam La Mert
of the
La Mert Brothers' Piano Novelty Act.

Edgeworth
Extra High Grade
Smoking Tobacco

Corporation XV To Visit Several Industrial Firms

Group to be Conducted Through
S.S. Aquitania in New
York Harbor

(Continued from Page 1)

picture studio in the East will probably conduct the men through their studio which is situated on Long Island.

The Cunard Steamship Company has allowed the group to make a scientific study of the Aquitania which will be in dock at the time. The guide who will take them through the boat will probably allow them to visit the room where the anchor chain is stored and other usually unvisited parts of the boat. The New York, New Haven & Hartford Railroad may relieve the heavy strain of walking to see things of interest if they take the business students through all their tracks surrounding New York harbor.

Expenses for the trip for some men in former visits have run as low as \$25.00. If any of those who go wish to see some of the New York shows tickets will be purchased in advance. The trip ends officially on January 30 after visiting the last factory and it is possible to get the boat for Boston if one wishes to return immediately.

Anyone wishing to go who is not already a member of Corporation XV may join on payment of \$1.50. Any other information on the trip may be obtained from Gordon F. Rogers '29, president of Corporation XV.

LECTURE ON ART TO BE GIVEN TOMORROW

"The 15th Century in Italy" will be the title of the second lecture in the series on "The History of Prints and Drawings as Illustrated in American Collections" being given under the auspices of Lowell Institute by Paul J. Sachs, Professor of Fine Arts in Harvard University. The lecture will be given in Huntington Hall, tomorrow night at 8 o'clock. Tickets may be secured for this or any of the succeeding lectures by applying to the Curator of Lowell Institute.

Company "E" Relishes Holiday From Lecture

Company "E" seized their first opportunity to cut a Military Science lecture rightfully when the group left Room 1-190 on Wednesday afternoon. The lecturer, Lieutenant Samuel G. Frierson who is usually the first one in the lecture room, failed to make his appearance by 4:15 o'clock and, as is the custom at Technology, the class marched out. At first some were hesitant about leaving but soon became fearful of being left alone in the room. As the clock approached the dead line for the lecturer's attendance the crowd planned to hold him out for the remaining seconds and his disappearance was merrily celebrated.

MAD SCRAMBLE AS M. I. T. STUDENTS FORGET DIGNITY

South Station in Hubbub When Luggage and Tickets Are Misplaced

Cool and well-ordered brains, supposed quality of students in a technical school, were noticeably lacking in South Station during the last harrowing days before Christmas vacation. The gloomy walls of the stately (?) edifice (?) seemed to have a devastating effect on the usually brilliant brains of M. I. T. undergrads, and their absent-minded boners furnished much amusement to spectators.

Several frantic last-minute appeals were made at the ticket windows for berths to the south and middlewest, but they were merely laughed to scorn by the flint-hearted agents. Pleading, cajoling, even the heights of anger could not gain a place to lay their heads during the long reaches of the night, and two Technology men were heard to vow openly that they would trek home by foot before taking that blankety-blank train!

One chalk-faced youth was seen dashing madly for a taxi, having forgotten a present which, by his expression, must have caused considerable mental anguish in the buying. Three other men, evidently checking their minds with their books, misplaced either tickets or suitcases.

Honors of the week-end, however, go to a small freshman who had neglected to take care of his trunk until about five minutes before his train was to start. Crimson of face and short of breath, he dashed about the station in elfin fashion. Then, just as the offending luggage had been safely checked, the chug of an out-pulling engine assailed his ears. With antelope speed he crossed the wide expanses of the station, dodging in, around and over other voyagers with amazing alacrity. Leaping aboard the moving-train, he settled himself, panting, into a seat, only to find that he was in the wrong section!

Thanks were rendered unto the Almighty when the unwelcome cause of his precipitance hove into Back Bay station. He disembarked and wearily awaited the following section. Ah, Mon Dieu! these technical students!

COMING FRATERNITY BALL IS FEBRUARY 8

Dance in Hotel Somerset to Run Until 2 O'clock

According to the Committee in Charge, the next Interfraternity Dance will be held in the Louis XIV Ballroom of the Hotel Somerset on the evening of Friday, February 8. Coming as it does at the beginning of the second term before work has really commenced, the dance is expected to be well attended, much more so than the last one, which was seriously handicapped by the fact that it came on a Thursday night with quizzes looming up the next day for a large number of the men.

No arrangements have been made toward obtaining an orchestra, but developments will be announced shortly. In other respects the dance will in all probability conform to the general style, with light refreshments served, and coming to a close at 2 o'clock in the morning.

Undergraduates of Princeton will establish a school in Labrador as a result of interest shown by students in the Grenfell Mission there during the past summer. The school will be supported both financially and in service by the students.

Students of the Illinois College of Agriculture consumed ten bushels of peanuts, four kegs of cider and five bushels of apples at their annual peanut banquet.

PETITION FOR AN ALL-TECHNOLOGY SPRING CARNIVAL

Circus Investigation Committee Reports on Advisability of Holding Event

STUDENT OPINION DIVIDED

(Continued from Page 1)

by the Institute Committee to study the advisability of holding such an event. The report of this Committee was read at the Institute Committee meeting on Thursday afternoon by George T. Logan '29, the chairman of the investigation group.

Investigate Possibilities of Holding Affair

The possibilities of holding a Circus were considered along three lines. The committee investigated the financial problem, the use of the Armory in which the previous Circuses had been held, and the matter of student support.

Since the only source of money to run the Circus was the class treasures, the Committee interviewed the class officers to see if they would back the undertaking. The officers of each class agreed that their classes would be willing to donate the necessary funds. Whether the Armory could be obtained was not definitely settled, since the proper authorities could not be located.

Student Opinion Divided

A thorough investigation of whether or not student support could be counted upon was made by the committee. The fraternities were in favor of having a Circus by the vote of 16 to 5. Several fraternities were willing to support the idea only on condition that there be no repetition of the previous performance. The dormitories voted 97 to 6 in favor of a Circus. Four of the major activities signified that they would stand behind a Circus. Student opinion gathered at large was divided. The two upper classes were opposed to any repetition of the last Circus, although they seemed to favor the idea of a new and revised Circus. The two lower classes, who have never seen a Tech Circus, were all in favor of having one in 1929. The final decision on the matter will be given a week from Wednesday.

Large Amount Is Loaned Annually To Aid Students

Technology Gives Scholarship Funds Totalling \$60,000 Every Year

Education on the installment plan is proving popular, according to the Bureau of Education of the Department of the Interior. The Bureau points out that in 282 colleges and universities funds totaling nearly \$4,000,000 are loaned annually to students of character and ability to aid them in completing their education.

In addition to institutional resources many educational loan funds maintained by independent agencies are available. These include several large manufacturing firms, societies, and clubs, bankers associations, and denominational loan funds maintained by the various churches.

The Institute holds funds available for undergraduate scholarships to the amount of about \$60,000 annually. Announcement concerning the application for these funds for the academic year 1929-30 has been made in connection with the second term registration material. To quote from this announcement:

"It is the policy of the Institute to apply the available scholarship funds to the assistance of as many well-qualified needy students as possible by assigning, in general, amounts less than full tuition. Awards are made, except in special cases, only to students who have completed at least a year of satisfactory work at the Institute.

"The facts considered in making assignments are the needs of the student and his ability as indicated by his scholastic record. Full information is, therefore, desired in answer to the questions asked on the application blank. Such information will be treated confidentially."

Application blanks are now ready and may be obtained at the Dean's Office, Room 3-108. They must be filled out and returned to Room 3-108 on or before February 15, 1929.

"Cold" Is Subject Of Next Science Lecture Friday

Professor Gordon B. Wilkes '11 is Speaker at Society of Arts Talk

At the second of the Society of Arts Popular Science Lectures to be held this year, Professor Gordon B. Wilkes, '11, of the Physics Department will speak on "Artificial Cold and its Applications." As usual the address will be open to students of high and preparatory schools, Friday and Saturday and to the public on Sunday. The lectures will be given in Room 10-250 at 4 o'clock on Friday and Sunday and at 2:30 o'clock on Saturday.

The lecture will be divided in two sections, "The Principles and Methods of Cooling," and "The Industrial Uses of Cold." Professor Wilkes will trace the development of refrigeration as used by the ancients down to the modern times. The latest method of cooling by solid carbon dioxide will be explained and illustrated by experiments. The use of carbon dioxide as a fire extinguisher will also be described. Different types of electric, gas, and kerosene refrigerators will be on exhibition.

Professor Wilkes will give a review of the many industrial uses of cold. The most important uses of cold are in condensers and for refrigeration of food-stuffs. Liquid air is used extensively in the manufacture of oxygen, nitrogen, and the rarer gases of the air. Many experiments are to be performed.

TRAFFIC PROBLEMS WILL BE DISCUSSED

Mr. Maxwell N. Halsey, Traffic Engineer for the State of Massachusetts, will give an illustrated talk on traffic problems and their solutions at the supper meeting of the Civil Engineering Society in North Hall of Walker Memorial on Wednesday evening at 6 o'clock.

Within the last few years the question of traffic congestion has rapidly become a serious problem in all large cities, and engineers are constantly being called upon to work out a practical solution of this difficulty. Mr. Maxwell will discuss its solutions before the members of the Society on Wednesday evening.

A bar for the sale of alcoholic beverages was recently opened in the refreshment room of the Royal Albert Institute, Windsor, England, and has earned the support of the Dean of Windsor, Dr. A. Baillie. The Dean's attitude is that it is much better for drinking to be done in good company under proper control than in questionable resorts.

This innovation has earned the approbation of Colonel C. R. Grant, general secretary of the Toc H, Great Britain's foremost war memorial society. Colonel Grant said, "I think people will drink, and it is much better to drink in decent company than for them to go away by themselves and load up."

That good clothes create an impression was recently demonstrated in one of Georgia Tech's class-rooms by the calm assertion by one of the instructing force that he always gave better marks to those who wore snowy white starched shirts and good-looking ties. The same instructor once sent a student home to take off his sweater and don a coat, and the student came back dressed in a complete Tuxedo outfit.

SIMPLEX

WIRES AND CABLES

INSULATED WITH RUBBER

PAPER OR VARNISHED

CAMBRIC

SIMPLEX WIRE & CABLE CO

MANUFACTURERS

201 DEVONSHIRE STREET

BOSTON

CHICAGO SAN FRANCISCO

NEW YORK CLEVELAND

JACKSONVILLE